

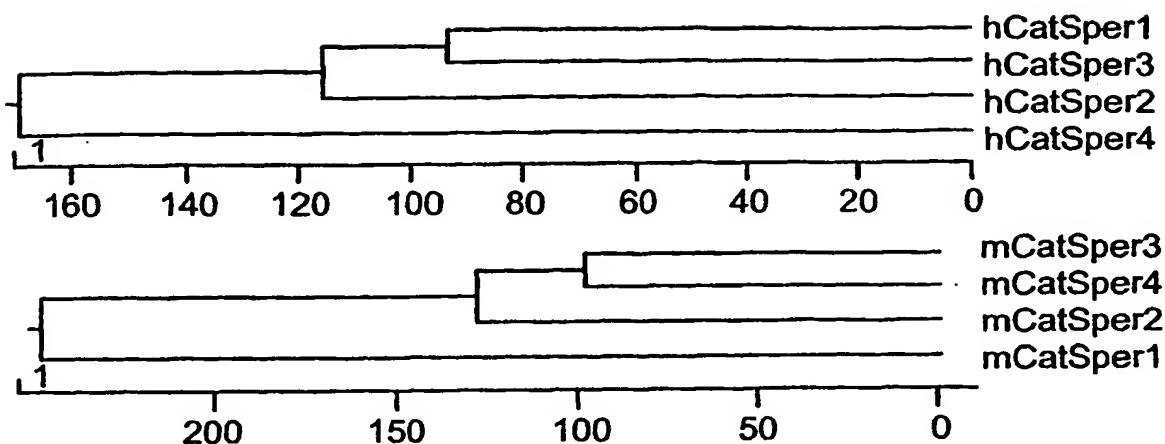
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MSEKHKWWQQ VENIDITHLG PKRKA YELG RHEEQVLNR RDVMEKKDAW 0050
 DVQEFITQMY IKQLLRHPAF OLLAFLLS NATIALRTN SYLGQKHVEL 0100
 FSTIDDIVLT ILICEVLLGW LMGFWFWKD GWNILNFAIV FILEMGFFIK 0150
 QOLDMVAITYP LRVLR LVHVC MAVEPLARII KVILOQMPDL ANVMALILFE 0200
 MLVFSVFGVT LFGAFVPKHF QNMGVALYTL FICITODGWL DIYTDFQMDE 0250
 REYAMEVGGA IYFAVFTLG AFIGNLFVV VVTTNLEQMM KTGEEEGHLN 0300
 IKFTETEEDD DWTDELPLVH CTEARKDTST VPKEPLVGGP LSNLTEKTC D 0350
 NFCLVLEAIQ ENLMEYKEIR EELNMIVEEV SSIRFNQEQQ NVILHKYTSK 0400
 SATFLSEPPE GANKQDLITA LVSREKVS DSNINMNVNKHKF SH 0442

FIG. 1

MRDNEKAWWQ QWTSHTGLEG WGGTQEDRMG FGGAVAALRG RPSPLQSTIH 0050
 ESYGRPEEQV LINRQEITNK ADAWDMQEFI THMYIKQLLR HPAFOLLAL 0100
 LLVINAITIA LRTNSYLDQK HYELFSTIDD IVLTILLCEV LLGWLNGFWI 0150
 FWKDGWNILN FIIVFILLR FFINEINIPS INYTLRALRL VHVCMAVEPL 0200
 ARIIRVILQS VPDMANIMVL IFFMLVFSV FGVTLFGAFV PKHFQNIQVA 0250
 LYTLFICITQ DGWVDIYSDF QTEKREYAME IGGAIYFTIF ITIGAFIGIN 0300
 LFVIVVTTNL EQMMKAGEQG QQRITFSET GAEEEEENDQ LPLVHCVAR 0350
 SEKSGLLQEP LAGGPLSNLS ENTCDNFCLV LEAIQENLRQ YKEIRDELNM 0400

FIG. 2



hCatSper3 and hCatSper1 are 21% identical
 hCatSper3 and hCatSper2 are 22% identical
 hCatSper4 and hCatSper1 are 17% identical
 hCatSper4 and hCatSper2 are 21% identical

mCatSper3 and mCatSper1 are 20% identical
 mCatSper3 and mCatSper2 are 22% identical
 mCatSper4 and mCarSper1 are 22% identical
 mCatSper4 and mCatSper2 are 22% identical

hCatSper1 and mCatSper1 are 48% identical
 hCatSper2 and mCatSper2 are 71% identical
 hCatSper3 and mCatSper3 are 68% identical
 hCatSper4 and mCatSper4 are 65% identical

FIG. 3